CLAIMS

We claim:

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1. A child safety cream dispenser, comprising:

an elongated housing defining a cavity adapted for storing a topical preparation, the housing having at least one sidewall, an upper end having a dispensing outlet defined therein, and a bottom wall having an aperture defined therein, the housing having a passageway defined therein extending from the aperture defined in the bottom wall through the bottom wall and the sidewall to the upper end of the sidewall;

a piston slidable within and extending transversely across the cavity and against the at least one sidewall in order to prevent the preparation from falling below the piston;

a flexible piston shaft attached to the piston and slidable within the passageway;

a plunger assembly received by an upper portion of the passageway, the assembly having a trigger and a plunger rod depending from the trigger;

a one-way ratchet mechanism extending for at least a portion of the piston shaft and the plunger rod; and

a trigger release mechanism disposed in said trigger, whereby the plunger assembly is prevented from advancing the piston without releasing the trigger release mechanism.

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2. The child safety cream dispenser according to claim 1, wherein said passageway is a `J'' shaped channel molded in the bottom and sidewall of said housing.

- 3. The child safety cream dispenser according to claim 1, wherein said trigger release mechanism includes a spring-biased button disposed horizontally and extending beyond a portion of said sidewall, whereby downward travel of said plunger rod requires depressing said release button so that the button clears said sidewall.
- 4. The child safety cream dispenser according to claim 1, wherein said plunger assembly further includes a plunger bias spring encircling an upper portion of said plunger rod below said trigger.

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- 5. The child safety cream dispenser according to claim 1, further comprising a cap pivotally covering said dispensing outlet, the cap being hinged to said plunger assembly, whereby downward travel of said plunger assembly operates to pivot the cap, thereby uncovering said dispensing outlet.
- 6. The child safety cream dispenser according to claim 1, wherein said plunger rod and said piston shaft each have a series of teeth extending along at least a portion of the length thereof, the teeth of said depending plunger rod cooperatively engaging the toothed portion of said upwardly extending piston shaft.
- 7. The child safety cream dispenser according to claim 6, wherein said plunger rod teeth comprise downward pitched notches of ratchet teeth, and said piston shaft teeth comprise upward pitched notches of ratchet teeth at a point of engagement of said plunger rod teeth and said piston shaft teeth.
- 8. The child safety cream dispenser according to claim 1, further comprising a liner disposed on the inside of said housing.
- 9. The child safety cream dispenser according to claim 1, wherein said dispensing outlet further comprises a ball valve

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disposed at the top of said housing, the ball valve having a plurality of vertically spaced teeth defined thereon, wherein said ball valve is closed when said trigger is at rest, and said ball valve is open when said trigger is depressed.

10. The child safety cream dispenser according to claim 9, wherein said trigger and said ball valve have a plurality of cooperatively engaging reciprocating ratchet teeth, whereby pressure on said plunger trigger operates to rotate said ball-value open, and return of said trigger rotates said ball valve to the closed position.

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11. A child safety cream dispenser, comprising:

an elongated housing, the housing defining a cavity adapted for storing a topical preparation therein, the housing having at least one sidewall, an upper end having a dispensing outlet defined therein, and a bottom wall having an aperture defined therein, the housing having a passageway defined therein extending from the aperture defined in the bottom wall through the bottom wall and the sidewall to the upper end of the sidewall;

a piston slidable within and extending transversely across the cavity and against the at least one sidewall in order to prevent the preparation from falling below the piston;

a flexible piston shaft attached to the piston and slidable within the passageway;

a plunger assembly received by an upper portion of the passageway, the assembly having a trigger, a plunger rod depending from the trigger, and a plunger bias spring encircling an upper portion of the plunger rod below the trigger;

a one-way ratchet mechanism disposed on at least a portion of the piston shaft and the plunger rod; and

a trigger release mechanism disposed in said trigger, whereby the plunger assembly is prevented from advancing the piston.

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The child safety cream dispenser according to claim 11, 12. wherein said one-way ratchet mechanism includes a series of teeth extending along at least a portion of the length of said plunger rod and said piston shaft, whereby the teeth of the depending plunger rod cooperatively engages the toothed portion of the upwardly extending piston shaft when said plunger assembly is depressed, and said notched teeth pass without engaging when said plunger assembly returns to its normal position.

The child safety cream dispenser according to claim 12, 13. wherein said plunger rod teeth comprise downward pitched notches of ratchet teeth, and said piston shaft teeth comprise upward pitched notches of ratchet teeth at the point of engagement of said plunger rod teeth to said piston shaft teeth.